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This listing of claims will replace all prior versions, and listings, of claims in the application:

<u>Listing of Claims</u>:

1. (Currently Amended) A method of producing a photocatalyst comprising a carrier carrying titania and metal having a property of exhibiting thermal eatalytic activity platinum, said method comprising:

preparing a metal carrying step of causing said carrier carrying the titania to carry a compound of-said metal platinum;

reducing the <u>metal-compound of platinum</u> carried on titania by hydrogen, in a heating atmosphere at a first treatment temperature, said compound of the <u>metal</u> <u>platinum</u> carried by said carrier in said metal carrying step; and

oxidizing, heating, to a degree not transformed into oxide, in a heating atmosphere containing oxygen at a second treatment temperature, said metal-platinum obtained by hydrogen reduction in said reduction step to thereby make platinum release from an extremely strong reduction state and enhance activity of said-metal platinum.

- 2. (Original) The method according to claim 1, wherein said second treatment temperature is equal to or less than said first treatment temperature.
- 3. (Original) The method according to claim 1, wherein said second treatment temperature falls within a range of 300°C to 600°C.
- 4. (Original) The method according to claim 1, wherein said second treatment temperature falls within a range of 500°C to 600°C.

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5. (Original) The method according to claim 1, further comprising a temperature adjusting step of setting a temperature of said carrier to said second treatment temperature in an inert gas atmosphere after said reduction step.

6. (Cancelled)

- 7. (Currently Amended) The method according to claim-6_1, wherein the content of the platinum falls within a range of 0.04 weight % to 0.5 weight % relative to the weight of the photocatalyst.
- 8. (Original) The method according to claim 1, wherein the content of the titania is 10 weight % or more relative to weight of the photocatalyst.
- 9. (Original) The method according to claim 1, wherein said carrier is a silica bead.
- 10. (Currently Amended) The method according to claim 1, further comprising, prior to said metal carrying step, a step of impregnating into said carrier a first treatment liquid containing titanium tetraalkoxide and alcohol;

a step of hydrolyzing a titanium compound impregnated into said carrier to cause said carrier to carry titania; and

a step of calcining said carrier carrying the titania.

- 11. (Cancelled)
- 12. (Cancelled)
- 13. (Cancelled)

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- 14. (Cancelled)
- 15. (Cancelled)